

INCH-POUND

MS27235C
22 September 2000
SUPERSEDING
MS27235A
16 June 1969

DETAIL SPECIFICATION SHEET

ELBOW TUBE, 45° (USED ON MS27226 AND MS27230 HOSE TO TUBE ADAPTERS)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-5070E.

REQUIREMENTS.

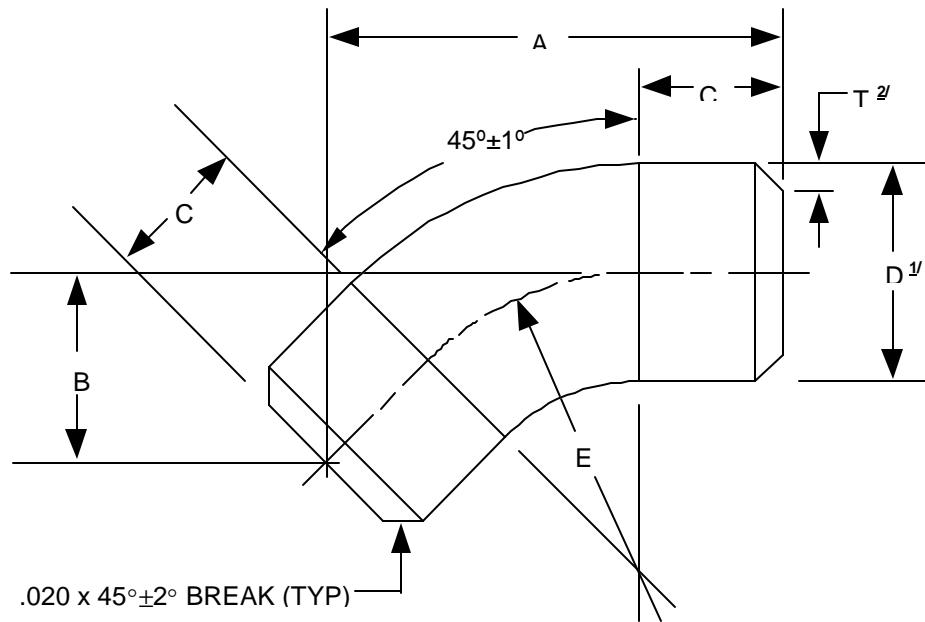


FIGURE 1. Elbow illustration.

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TABLE I. Elbow composition.

PIN	A ±.015	B ±.015	C +.031 -.000	D ±.005 Dia ^{1/}	E ±.060 Rad	T ^{2/}	X ^{3/}
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-4	.531	.220	.156	.245	.375	.035	.010
-5	.575	.238		.307	.438	.049	.012
-6	.620	.256		.370	.500		.014
-8				.495		.065	.016
-10	.708	.293		.620	.625		.018
-12	1.024	.424	.250	.745	.844		.020
-16	1.112	.461		.995	.969		.022
-20	1.266	.525		1.245	1.188		.024
-24	1.399	.580		1.495	1.375	.083	.026
-32	1.664	.690		1.995	1.750		.028
-40	1.885	.781		2.370	2.062		.095
-48	2.062	.854		2.995	2.312		

Notes.

- 1/ Ovality at bend shall not exceed 5% of tubing outside diameter.
- 2/ T dimension is the tube wall thickness.
- 3/ Face of tube must be perpendicular to centerline of the tube within X total indicator reading.

Intended use. This part is a component of MS27225 and MS27229.

Dimensions. Dimensions are in inches. Unless otherwise specified, radius or break all corners .010/.005 (max./min.).

Material: Sizes -4 through -6: steel, 1010, cold drawn, in accordance with SAE AMS5050 or SAE AMS5053.
 Sizes -8 through -48: aluminum alloy 6061, T6, type 1, in accordance with WW-T-700/6.

Finish. None.

Identification of product. The part or identifying number (PIN) and the manufacturer's Commercial and Government Entity (CAGE) Code or trademark shall be permanently marked on the elbow or on a removable tag securely attached to the elbow. The PIN for this part shall be as shown in table I (e.g., MS27235-4).

Workmanship. Break all edges and remove all burrs and slivers.

Order of precedence. This specification sheet takes precedence over the documents referenced herein. Unless otherwise specified in the solicitation, referenced documents shall be of the issue in effect on the date of solicitation.

CHANGES FROM PREVIOUS ISSUE. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

CONCLUDING MATERIAL

Custodians:

Army - AT
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-0898)

Review activities:

Army - AV
Navy - MC, SA
Air Force - 11, 82